

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P945264

Luminaire Tested: **GLAN-SB1B-735-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945264  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-735-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5737 lumens  
Efficiency: N/A  
Efficacy: 144.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

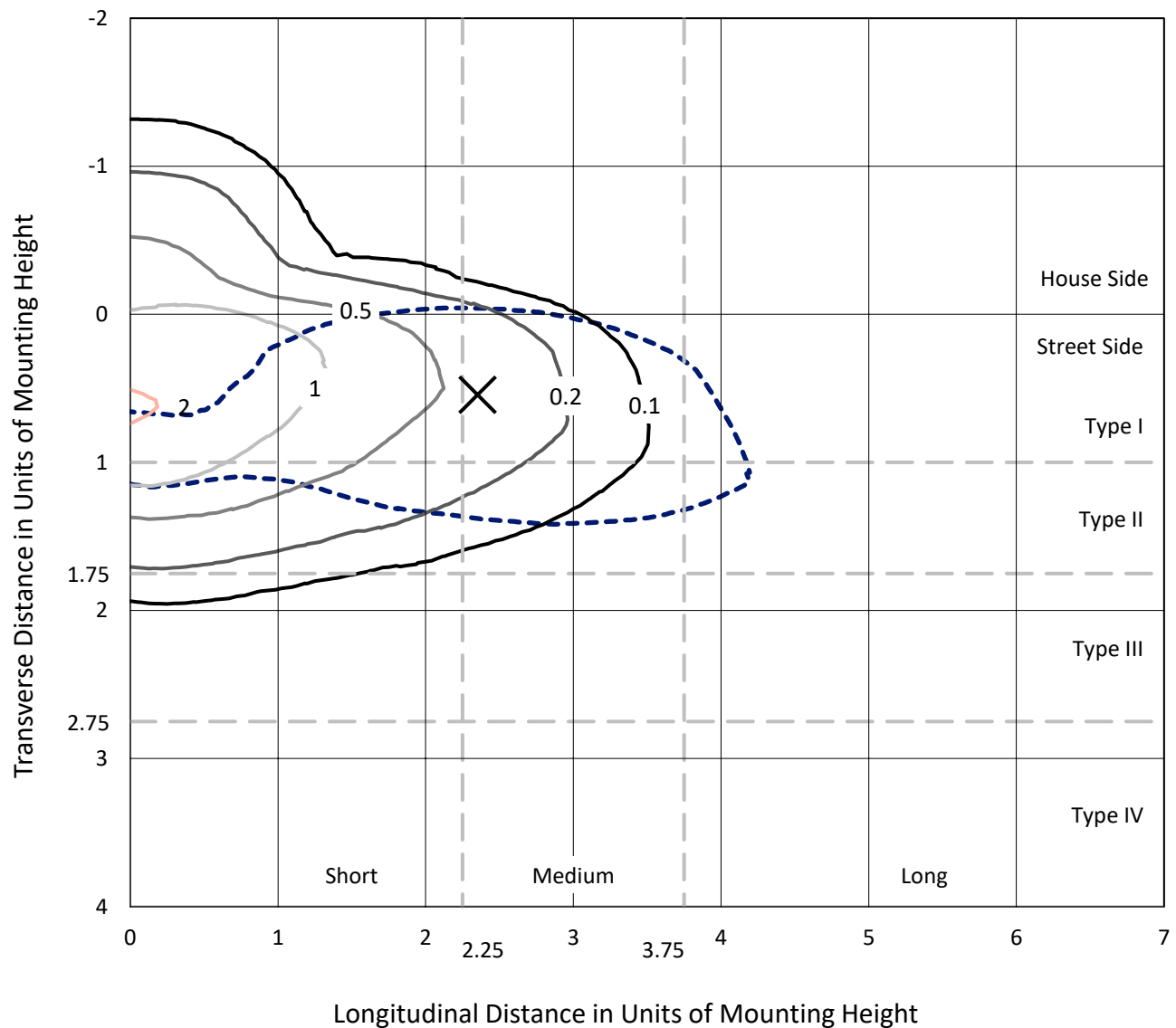


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## Iso-Footcandle Lines of Horizontal Illumination

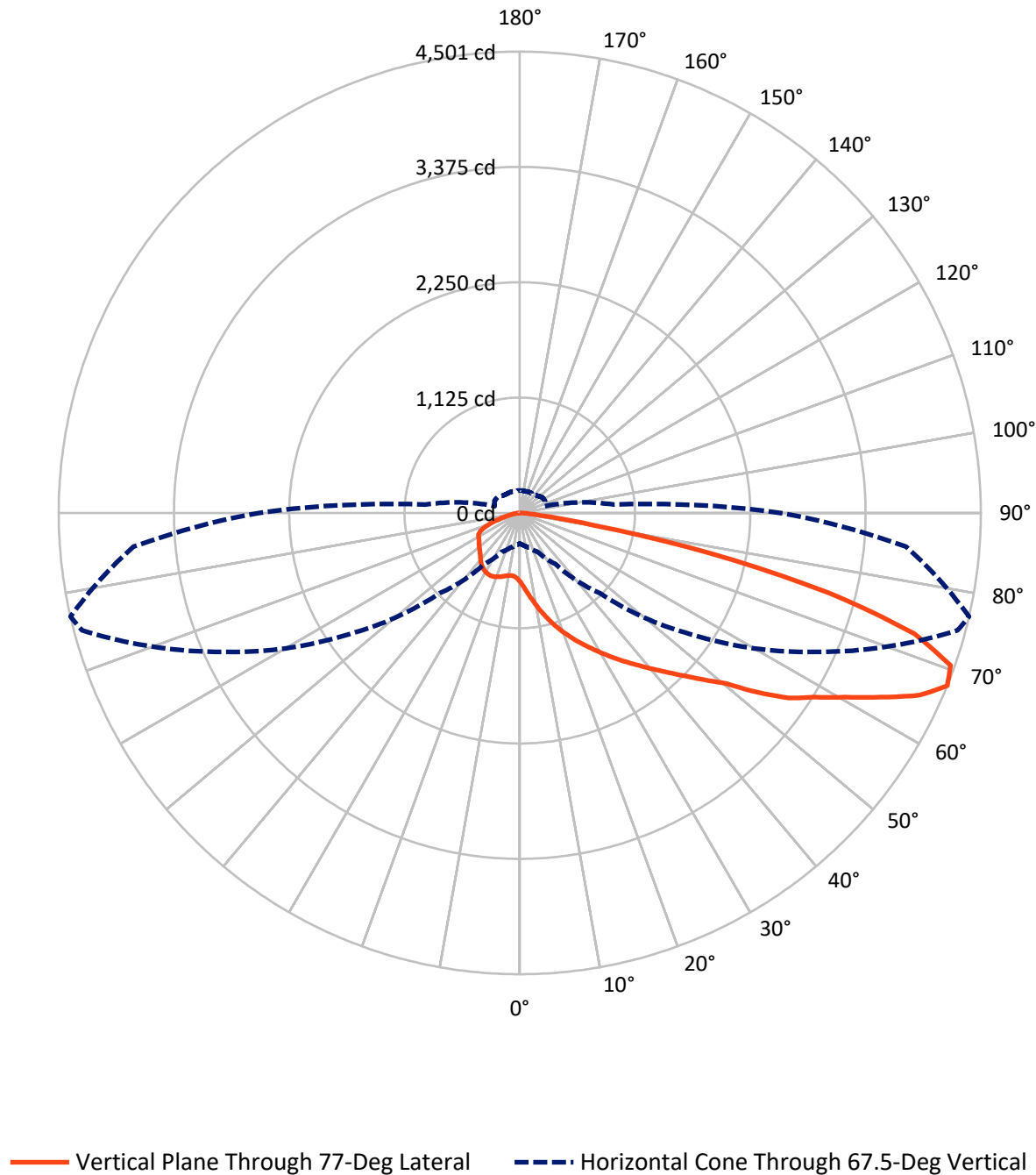
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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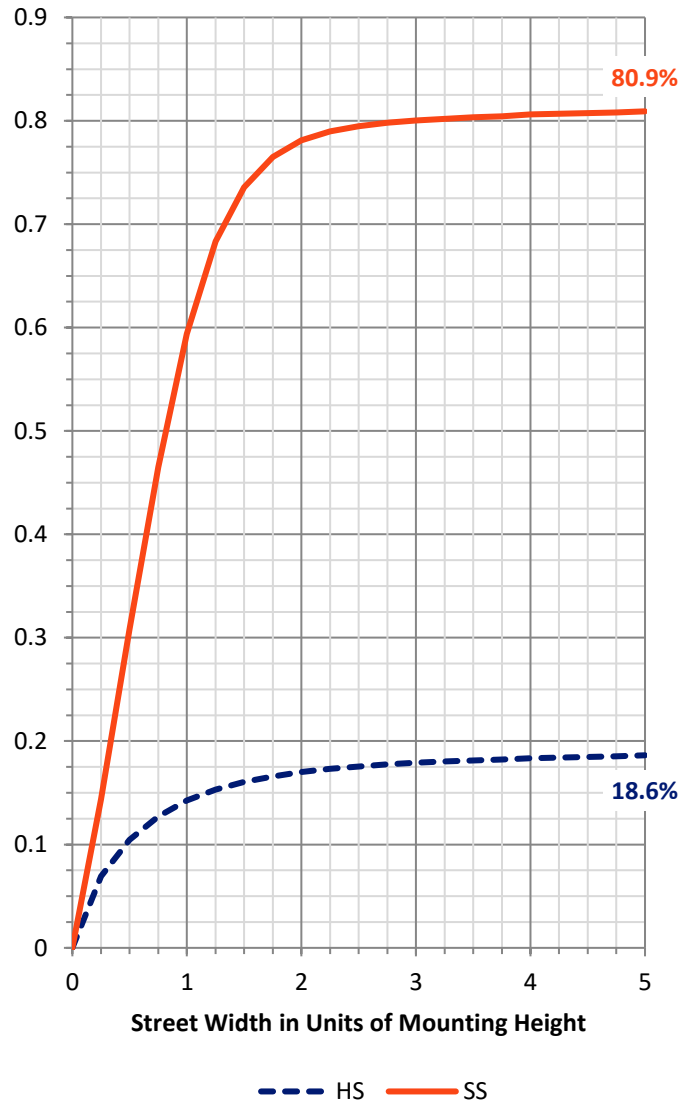
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1085.2   | 0.0    | 1085.2 |
|                    | % Fixture | 18.9     | 0.0    | 18.9   |
| <b>Street Side</b> | Lumens    | 4651.8   | 0.0    | 4651.8 |
|                    | % Fixture | 81.1     | 0.0    | 81.1   |
| <b>Total</b>       | Lumens    | 5737.0   | 0.0    | 5737.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 72.1   | 1.3       |
| 10°-20°   | 259.2  | 4.5       |
| 20°-30°   | 489.4  | 8.5       |
| 30°-40°   | 788.4  | 13.7      |
| 40°-50°   | 1078.4 | 18.8      |
| 50°-60°   | 1216.5 | 21.2      |
| 60°-70°   | 1135.4 | 19.8      |
| 70°-80°   | 622.4  | 10.8      |
| 80°-90°   | 75.1   | 1.3       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 5737.0 | 100.0     |
| 0°-180°   | 5737.0 | 100.0     |

**Coefficient of Utilization**



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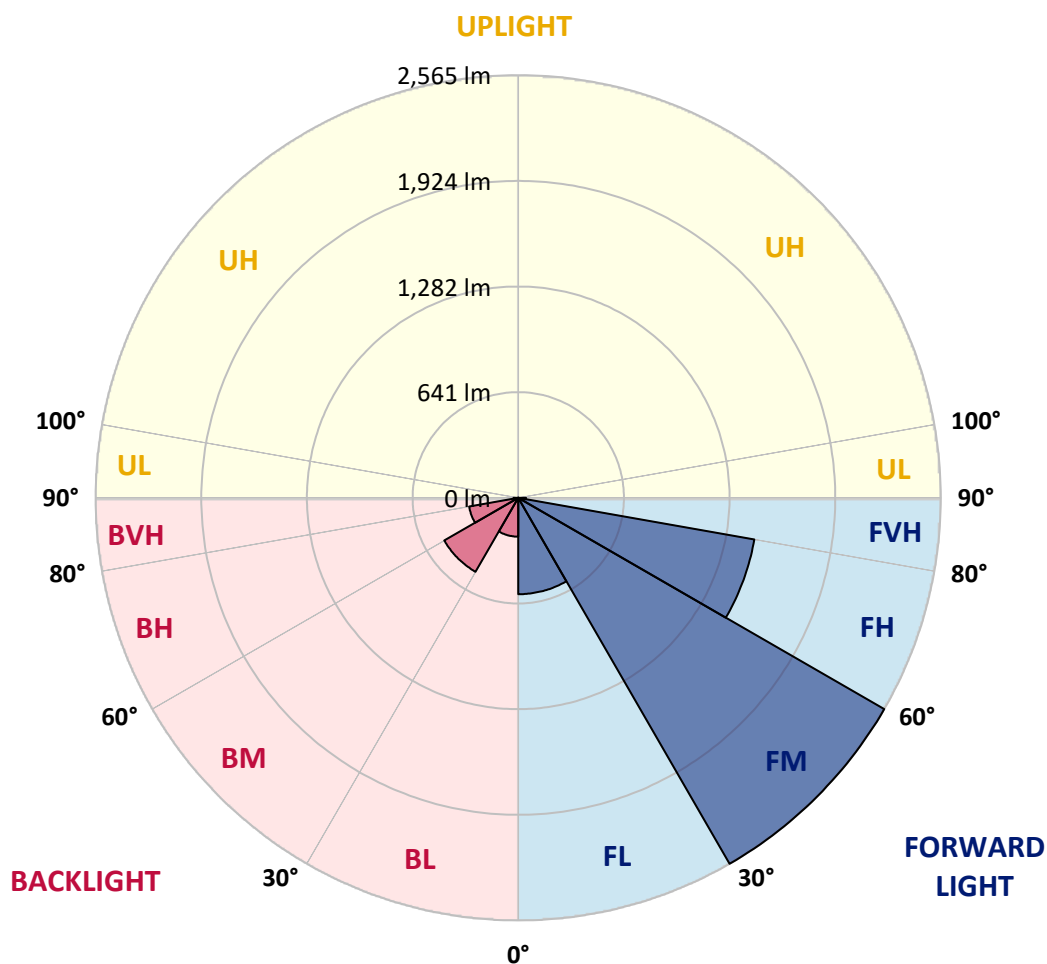
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 584.8  | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 2564.9 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 1455.1 | 25.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 47.0   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 235.9  | 4.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 518.4  | 9.0       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 302.8  | 5.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 28.1   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 673.1  | 673.1  | 673.1  | 673.1  | 673.1  | 673.1  | 673.1  | 673.1  | 673.1  | 673.1  |
| 2.5°  | 842.8  | 848.7  | 841.3  | 841.3  | 816.5  | 803.4  | 778.6  | 759.6  | 725.5  | 719.6  |
| 5°    | 996.2  | 1003.6 | 993.3  | 988.8  | 959.5  | 932.5  | 890.8  | 849.6  | 788.9  | 782.7  |
| 7.5°  | 1115.0 | 1124.4 | 1115.3 | 1110.5 | 1084.5 | 1054.3 | 1005.4 | 947.9  | 862.4  | 850.2  |
| 10°   | 1211.8 | 1213.3 | 1210.3 | 1212.1 | 1191.7 | 1166.8 | 1116.7 | 1049.8 | 942.9  | 926.3  |
| 12.5° | 1266.6 | 1273.4 | 1279.3 | 1290.0 | 1286.4 | 1271.0 | 1226.0 | 1146.1 | 1028.2 | 1006.9 |
| 15°   | 1292.4 | 1304.2 | 1317.5 | 1342.1 | 1362.0 | 1365.8 | 1331.4 | 1249.4 | 1115.0 | 1089.2 |
| 17.5° | 1301.5 | 1312.8 | 1333.8 | 1369.4 | 1412.0 | 1440.7 | 1425.3 | 1349.8 | 1200.9 | 1171.2 |
| 20°   | 1348.0 | 1351.3 | 1364.0 | 1397.8 | 1444.0 | 1491.7 | 1503.2 | 1446.4 | 1285.8 | 1252.4 |
| 22.5° | 1447.5 | 1441.0 | 1444.6 | 1460.0 | 1493.1 | 1539.3 | 1565.7 | 1531.6 | 1373.2 | 1334.7 |
| 25°   | 1611.9 | 1592.9 | 1574.0 | 1556.2 | 1573.1 | 1599.2 | 1629.1 | 1616.9 | 1464.7 | 1415.8 |
| 27.5° | 1819.5 | 1796.4 | 1754.6 | 1696.3 | 1675.9 | 1685.0 | 1698.4 | 1696.0 | 1549.4 | 1500.0 |
| 30°   | 2023.8 | 1996.9 | 1947.1 | 1862.7 | 1808.8 | 1784.5 | 1774.5 | 1767.7 | 1641.5 | 1588.8 |
| 32.5° | 2187.0 | 2165.7 | 2116.8 | 2022.3 | 1944.2 | 1902.7 | 1869.2 | 1845.0 | 1737.8 | 1685.0 |
| 35°   | 2329.7 | 2309.9 | 2253.9 | 2150.9 | 2065.9 | 2021.8 | 1977.9 | 1926.1 | 1837.9 | 1784.5 |
| 37.5° | 2460.0 | 2440.2 | 2363.5 | 2256.3 | 2170.7 | 2140.2 | 2101.1 | 2013.2 | 1938.2 | 1887.9 |
| 40°   | 2542.4 | 2537.9 | 2466.3 | 2344.8 | 2256.0 | 2240.9 | 2227.9 | 2114.2 | 2049.6 | 2002.8 |
| 42.5° | 2563.4 | 2573.2 | 2516.3 | 2416.5 | 2331.8 | 2319.7 | 2350.2 | 2228.5 | 2174.6 | 2129.8 |
| 45°   | 2512.8 | 2540.9 | 2503.6 | 2435.8 | 2385.7 | 2379.2 | 2458.6 | 2353.4 | 2312.9 | 2272.0 |
| 47.5° | 2384.5 | 2432.2 | 2416.8 | 2407.3 | 2400.2 | 2428.4 | 2553.9 | 2486.1 | 2469.5 | 2434.0 |
| 50°   | 2125.7 | 2216.0 | 2243.0 | 2302.8 | 2371.5 | 2466.6 | 2640.7 | 2630.9 | 2652.5 | 2616.7 |
| 52.5° | 1678.2 | 1802.6 | 1959.0 | 2108.8 | 2283.2 | 2453.8 | 2736.0 | 2838.8 | 2930.0 | 2910.5 |
| 55°   | 1385.3 | 1441.3 | 1561.6 | 1836.4 | 2112.1 | 2400.2 | 2779.0 | 3006.7 | 3205.4 | 3188.0 |
| 57.5° | 1160.3 | 1210.3 | 1284.4 | 1513.9 | 1853.2 | 2278.5 | 2805.6 | 3109.2 | 3394.1 | 3392.3 |
| 60°   | 918.9  | 971.9  | 1047.7 | 1210.3 | 1550.9 | 2068.2 | 2799.7 | 3225.9 | 3634.8 | 3649.6 |
| 62.5° | 646.5  | 704.8  | 788.9  | 940.5  | 1242.0 | 1795.8 | 2678.9 | 3310.3 | 3918.2 | 3958.5 |
| 65°   | 425.0  | 463.5  | 526.8  | 657.7  | 925.4  | 1445.5 | 2448.2 | 3321.2 | 4221.5 | 4289.6 |
| 67.5° | 297.9  | 312.7  | 350.0  | 421.1  | 610.1  | 1108.5 | 2080.7 | 3207.8 | 4423.8 | 4500.5 |
| 70°   | 232.5  | 239.9  | 258.8  | 287.3  | 383.2  | 745.4  | 1594.4 | 2912.8 | 4380.5 | 4460.5 |
| 72.5° | 200.8  | 207.9  | 215.0  | 218.6  | 257.1  | 460.2  | 1080.0 | 2435.5 | 3973.3 | 4027.5 |
| 75°   | 182.1  | 183.9  | 189.8  | 188.6  | 196.0  | 298.5  | 623.4  | 1774.5 | 3134.9 | 3116.3 |
| 77.5° | 153.1  | 155.5  | 165.2  | 163.8  | 174.1  | 204.0  | 323.7  | 1145.2 | 2032.4 | 1905.7 |
| 80°   | 129.7  | 130.9  | 141.6  | 139.8  | 151.3  | 147.8  | 165.2  | 583.7  | 862.1  | 730.3  |
| 82.5° | 45.0   | 55.7   | 108.1  | 111.3  | 115.5  | 89.4   | 95.4   | 238.1  | 263.3  | 201.7  |
| 85°   | 21.9   | 23.4   | 55.1   | 78.2   | 77.9   | 45.0   | 46.5   | 85.0   | 82.9   | 65.2   |
| 87.5° | 3.6    | 4.4    | 6.5    | 30.5   | 24.3   | 11.8   | 16.0   | 16.6   | 17.2   | 14.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 673.1  | 0°    | 673.1  | 673.1  | 673.1 | 673.1 | 673.1 | 673.1 | 673.1 | 673.1 | 673.1 | 673.1 |
| 697.1  | 2.5°  | 680.5  | 665.7  | 634.6 | 605.9 | 583.4 | 561.8 | 549.6 | 539.3 | 533.3 | 532.2 |
| 729.7  | 5°    | 698.9  | 668.4  | 611.8 | 564.1 | 533.1 | 510.0 | 497.8 | 490.1 | 486.3 | 483.9 |
| 773.5  | 7.5°  | 725.2  | 680.5  | 600.0 | 545.8 | 513.2 | 496.6 | 490.4 | 489.2 | 488.9 | 489.2 |
| 826.5  | 10°   | 761.7  | 700.4  | 598.8 | 541.3 | 514.1 | 504.9 | 504.6 | 504.9 | 506.1 | 506.4 |
| 884.3  | 12.5° | 801.1  | 720.8  | 603.5 | 545.2 | 525.4 | 520.3 | 519.4 | 519.1 | 520.0 | 520.6 |
| 942.6  | 15°   | 844.0  | 747.8  | 611.5 | 553.5 | 537.8 | 532.5 | 531.6 | 529.8 | 529.5 | 529.2 |
| 1003.9 | 17.5° | 888.1  | 774.4  | 620.4 | 562.4 | 545.8 | 538.4 | 535.1 | 531.0 | 527.7 | 526.8 |
| 1067.3 | 20°   | 932.8  | 800.8  | 626.6 | 566.8 | 546.4 | 536.0 | 529.5 | 522.4 | 516.8 | 513.5 |
| 1131.3 | 22.5° | 980.5  | 828.3  | 630.5 | 565.6 | 541.0 | 526.8 | 515.0 | 506.7 | 498.1 | 492.5 |
| 1195.8 | 25°   | 1027.0 | 852.3  | 630.2 | 559.4 | 530.7 | 512.6 | 497.5 | 486.9 | 475.0 | 469.1 |
| 1262.4 | 27.5° | 1071.7 | 873.9  | 622.8 | 548.5 | 515.9 | 495.7 | 477.7 | 464.9 | 453.4 | 447.8 |
| 1329.7 | 30°   | 1117.9 | 892.0  | 611.2 | 532.5 | 498.4 | 476.2 | 456.4 | 445.4 | 435.0 | 429.7 |
| 1400.7 | 32.5° | 1163.8 | 908.6  | 594.9 | 512.6 | 478.3 | 456.9 | 437.4 | 427.3 | 421.1 | 421.1 |
| 1477.2 | 35°   | 1212.4 | 920.1  | 573.3 | 489.5 | 456.9 | 436.5 | 421.1 | 415.2 | 414.6 | 411.0 |
| 1558.0 | 37.5° | 1263.6 | 927.5  | 547.0 | 465.8 | 435.9 | 416.7 | 411.9 | 404.8 | 398.9 | 391.2 |
| 1646.8 | 40°   | 1317.5 | 934.9  | 515.3 | 441.2 | 413.7 | 403.0 | 401.0 | 391.5 | 374.6 | 355.7 |
| 1747.5 | 42.5° | 1383.0 | 940.0  | 482.4 | 416.7 | 390.3 | 386.8 | 389.7 | 373.4 | 346.5 | 332.3 |
| 1868.9 | 45°   | 1458.8 | 948.2  | 452.2 | 392.4 | 366.3 | 366.3 | 378.8 | 357.4 | 335.2 | 326.3 |
| 2007.5 | 47.5° | 1557.1 | 967.5  | 424.1 | 365.7 | 344.1 | 350.0 | 354.5 | 338.2 | 325.8 | 314.8 |
| 2176.3 | 50°   | 1699.3 | 1013.7 | 395.1 | 338.8 | 327.2 | 339.1 | 332.9 | 323.4 | 308.9 | 300.0 |
| 2444.6 | 52.5° | 1875.8 | 1040.9 | 369.3 | 314.5 | 312.7 | 324.6 | 315.7 | 306.8 | 295.8 | 284.0 |
| 2648.1 | 55°   | 1996.0 | 1046.0 | 347.7 | 296.7 | 303.0 | 301.8 | 298.5 | 290.5 | 284.6 | 268.9 |
| 2848.9 | 57.5° | 2130.4 | 1056.0 | 329.9 | 286.1 | 296.7 | 283.7 | 282.5 | 275.7 | 268.0 | 257.3 |
| 3093.8 | 60°   | 2291.2 | 1071.7 | 314.5 | 281.9 | 291.4 | 271.9 | 265.9 | 263.3 | 255.6 | 250.2 |
| 3388.4 | 62.5° | 2466.6 | 1085.9 | 298.8 | 282.5 | 285.2 | 260.3 | 251.4 | 250.5 | 245.8 | 244.0 |
| 3665.0 | 65°   | 2586.2 | 1047.2 | 279.3 | 281.9 | 275.4 | 248.5 | 237.2 | 236.9 | 233.1 | 232.5 |
| 3785.0 | 67.5° | 2544.4 | 924.3  | 252.9 | 273.6 | 265.3 | 236.6 | 224.2 | 223.0 | 218.0 | 218.3 |
| 3659.7 | 70°   | 2335.4 | 748.9  | 216.5 | 253.2 | 252.9 | 226.0 | 210.6 | 206.7 | 199.9 | 201.1 |
| 3182.0 | 72.5° | 1943.3 | 555.0  | 167.6 | 219.1 | 233.1 | 216.2 | 194.9 | 188.6 | 180.1 | 181.2 |
| 2349.0 | 75°   | 1403.4 | 377.3  | 122.0 | 166.7 | 202.9 | 204.6 | 179.5 | 168.8 | 158.4 | 160.2 |
| 1307.5 | 77.5° | 718.1  | 213.8  | 89.7  | 114.9 | 159.3 | 186.0 | 165.5 | 151.3 | 149.0 | 165.5 |
| 377.0  | 80°   | 234.2  | 107.2  | 62.2  | 80.6  | 104.5 | 152.2 | 145.1 | 128.8 | 128.2 | 132.1 |
| 79.1   | 82.5° | 69.9   | 45.3   | 40.0  | 53.0  | 57.7  | 116.7 | 125.3 | 97.4  | 83.8  | 88.2  |
| 26.4   | 85°   | 24.0   | 21.9   | 22.8  | 26.4  | 27.5  | 68.4  | 87.7  | 64.6  | 61.0  | 67.2  |
| 5.9    | 87.5° | 5.6    | 7.7    | 6.5   | 5.9   | 5.9   | 16.6  | 34.1  | 26.9  | 37.3  | 24.9  |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END O



| 180°  |
|-------|
| 673.1 |
| 532.2 |
| 483.6 |
| 490.1 |
| 506.7 |
| 520.9 |
| 528.9 |
| 527.7 |
| 514.7 |
| 492.8 |
| 469.1 |
| 447.5 |
| 429.4 |
| 421.4 |
| 410.2 |
| 390.0 |
| 353.0 |
| 332.6 |
| 327.8 |
| 314.5 |
| 299.1 |
| 281.6 |
| 269.2 |
| 253.8 |
| 251.7 |
| 244.0 |
| 232.2 |
| 218.3 |
| 202.3 |
| 180.9 |
| 160.8 |
| 163.2 |
| 113.4 |
| 91.2  |
| 66.3  |
| 24.0  |
| 0.0   |